

10/026, 199

REMARKS

Initially, Applicant would like to inform the Examiner that the undersigned attorney has taken over prosecution of the subject application and that a revocation of power of attorney and a new power of attorney will be submitted shortly. Thus, with regard to this Amendment, the undersigned attorney is acting under 37 CFR §1.34.

Prior to this Amendment, claims 1, 2, 4-5 and 12-18 were pending in the application. In this Amendment, claims 1, 2, 4-5 and 12-18 are cancelled and new claims 19-40 are added. New claims 19-40 are fully supported by the specification. Reconsideration of the application in its current format is hereby requested.

In the final Office action, the Examiner has rejected claims 1, 2, 4-5 and 12-18 under 35 U.S.C. 103(a), as being unpatentable over U.S. Patent No. 4,129,938) to Hagenbucher in view of U.S. Patent No. 4,784,916 to Burke. For at least the reasons set forth below, Applicant traverses this rejection.

The Hagenbucher patent is directed to a transformer coil having cooling ducts interspaced within the windings of the coil. The cooling ducts are formed by placing metallic molds wrapped in cloth between alternating layers of filler material and windings and then encapsulating the transformer coil in a high dielectric resin, which saturates the filler material and the cloth around the molds. After the resin cures, the metallic molds are removed, leaving the cured resin-saturated cloth and filler material, which form a unitary cast laminate that defines the cooling ducts. (See column 2 line 54 through column 3 line 28). Thus, in the Hagenbucher patent, the cooling ducts are formed from the same resin as the resin encapsulating the windings and the filler material. Accordingly, it is clear that the Hagenbucher patent fails to show or suggest a coil having "cooling ducts.....formed from a first resin" and a plurality of layers encapsulated by a "a second resin", wherein "said second resin being different than the first resin", as is presently recited in independent claims 19 and 35. Since the Burke patent does not even disclose cooling ducts, it is clear that the Burke patent fails to cure this deficiency of the Hagenbucher patent. Therefore, Applicant submits that independent claims 19 and 35 and, thus, dependent claims 20-26 and 36-40 are

10/026,199

patentable over the Hagenbacher patent and the Burke patent, individually or in combination.

With regard to new independent claim 27, the Hagenbacher patent fails to show or suggest a coil formed by the method recited in claim 27. For example, the Hagenbacher patent fails to show or suggest (with emphasis added): "positioning the *pre-formed* cooling ducts so as to be disposed between the layers", as is presently recited in independent claim 27. Since the Burke patent does not even disclose cooling ducts, it is clear that the Burke patent fails to cure this deficiency of the Hagenbacher patent. Therefore, Applicant submits that independent claim 27 and, thus, dependent claims 28-34 are patentable over the Hagenbacher patent and the Burke patent, individually or in combination.

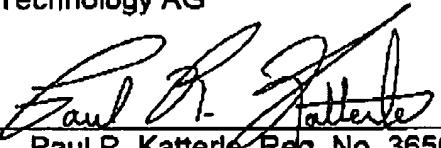
Based on the foregoing, it is respectfully submitted that the present application is in a condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 050877.

Respectfully submitted,

ABB Technology AG

By:



Paul R. Katterle, Reg. No. 36563

July 11, 2005
c/o ABB Inc.
29801 Euclid Avenue-4U6
Wickliffe, Ohio 44092-2530
(440) 585-7968